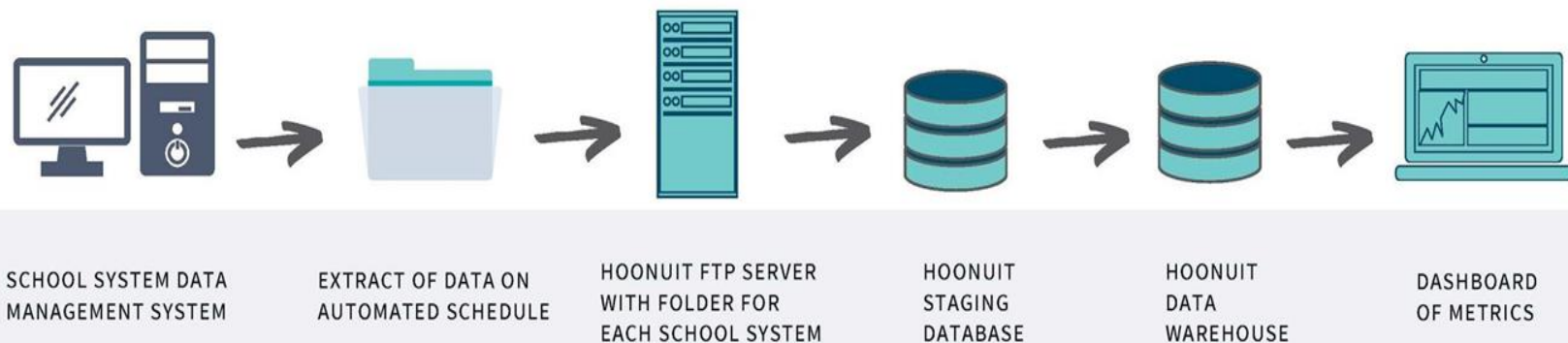


Louisiana Believes

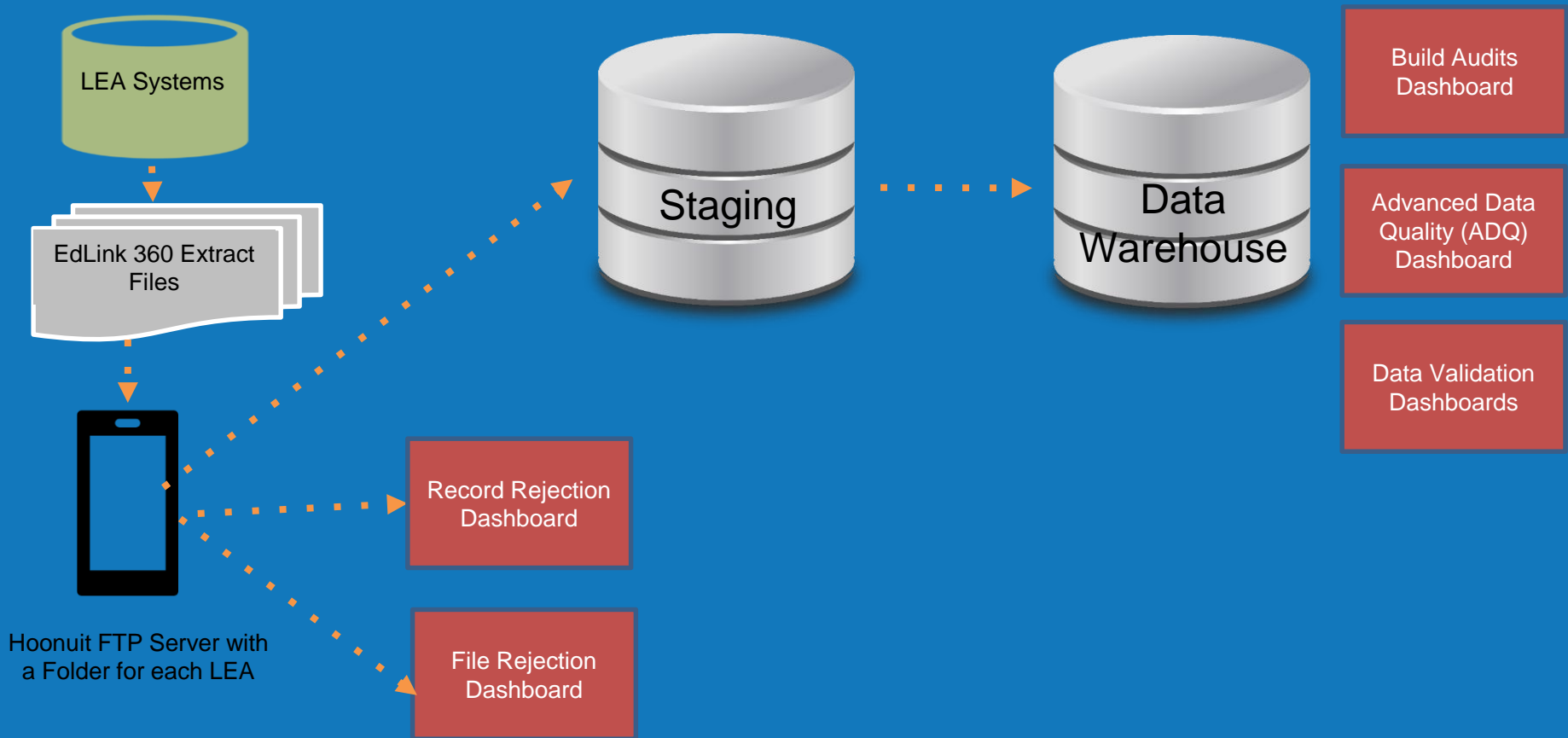
EdLink 360 File Processing Dashboard Training
Training 2 (Build Audits and Data Quality)



Data Flow for Extract Submission to Data Warehouse



File Submission to Error Checking



Usage and Data Section

There are 5 main dashboards you will want to use **in this order**:

Data Processing:

1. File Errors (Training 1)
2. File Record Rejection (Training 1)
3. Build Audits (Training 2)

Data Quality:

4. Data Quality (Training 2)

Data Validation – these dashboards are currently the Validation Reports that are dropped on the FTP and can be viewed in any order.

5. Data Validation Dashboards (Training 3)
 - a. Student Data Validation
 - b. Staff Data Validation
 - c. Classes Data Validation
 - d. Assessments Data Validation

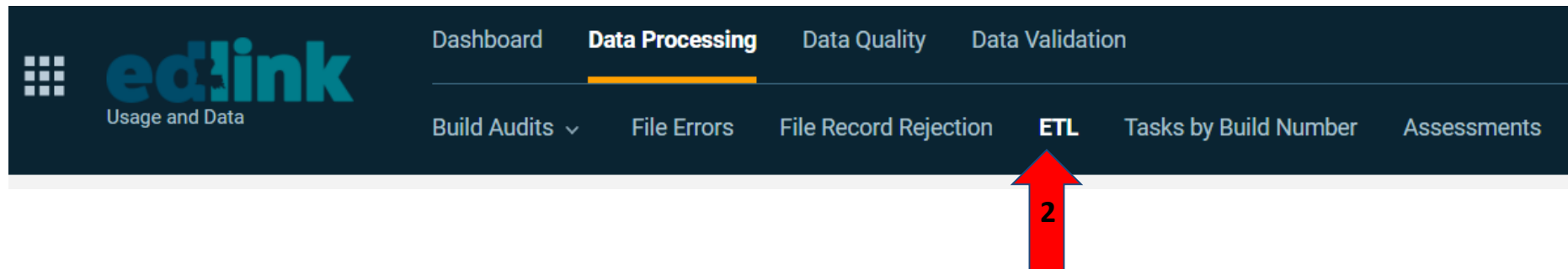
How do I get to File Processing and Data Validation Dashboards?

The screenshot shows the 'edlink' dashboard interface. At the top, there is a navigation bar with tabs for 'District', 'Enrollment' (which is selected and underlined), 'SPED', 'Attendance', and 'Behavior'. Below this, there is a sub-navigation bar with 'Enrollment Overview' (selected), 'Admissions', and 'Withdrawals'. A dropdown menu is open from the 'edlink' logo, showing options: 'Training Folder', 'Validation', 'Essentials', 'Usage and Data' (highlighted in yellow), and 'Development Tools'. The main content area is titled 'Overview' and contains a card labeled 'Enrollment Information' with icons for a share button, a monitor, and a gear. To the right of this card, a text box asks: 'How many students have been enrolled?'. The background of the dashboard is light gray with blue accents.

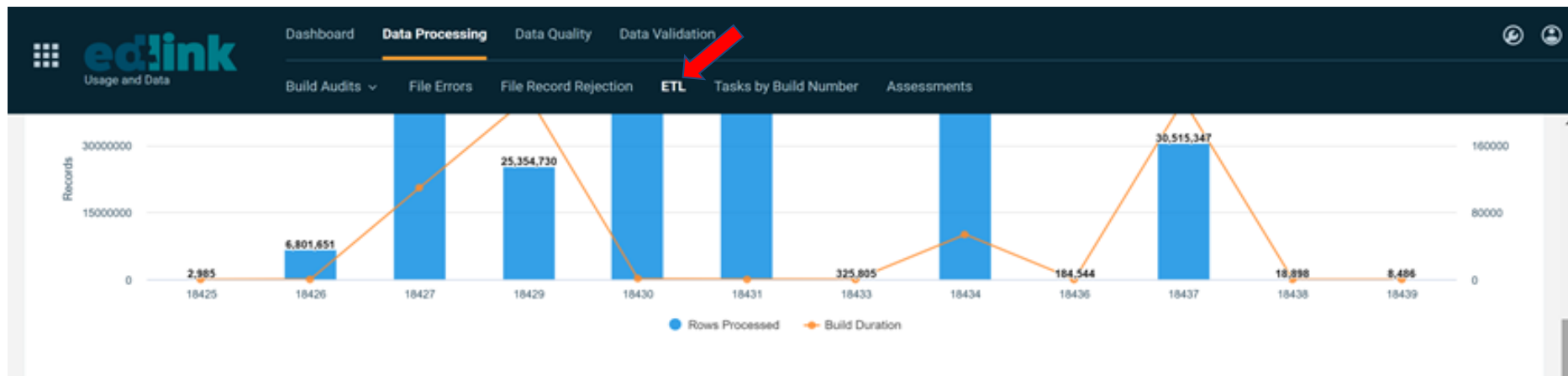
Data Processing/Build Audits

- These issues are generally due to errors in the data itself in the system of record. The data passed the formatting checks but does not align with other business rules to connect it to other DW data or populate all fields appropriately. Data provided to identify the data issue.
- Some examples of **build audits** errors:
 - Incorrect dates: Dates are outside of range
 - Invalid codes that do not match the state approved codes
 - Invalid local key values: local student key, etc.

Data Processing/File ETL



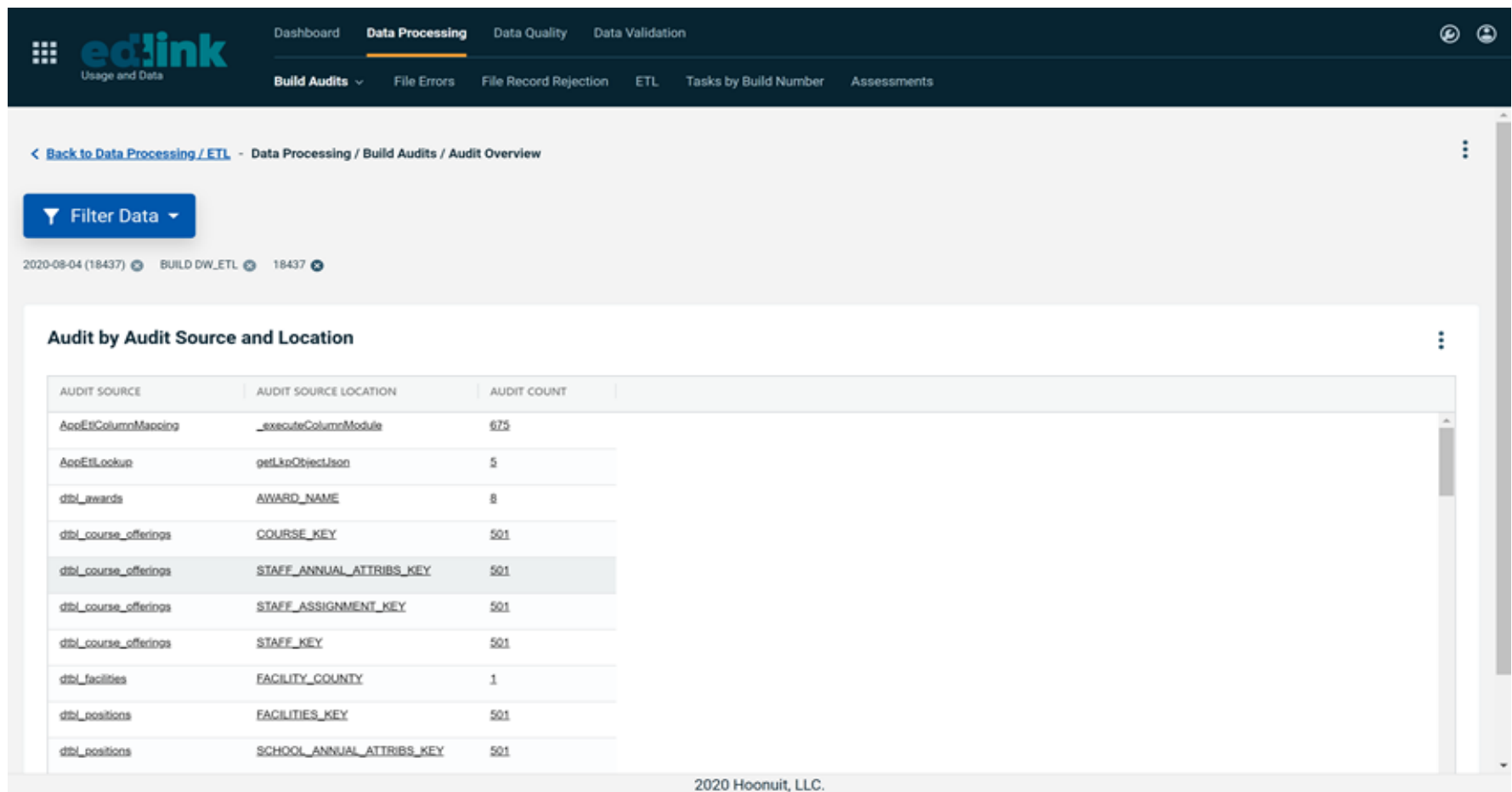
Data Processing/Build Audits



Summary Table

BUILD	BUILD DATE	DURATION	ROWS / SEC	ROWS PROCESSED	AUDITS	DB ERROR COUNT	ROWS INSERTED	ROWS UPDATED	ROWS DELETED	ROWS
18439	08/04/2020	00:00:46	608	8486	4	0	8486	0	0	0
18438	08/04/2020	00:00:53	1114	18898	4	0	18898	0	0	0
18437	08/04/2020	:23:10	158465	30515347	4875165	0	25667	34582	0	0
18436	08/04/2020	01:09:55	4062	184544	16926	0	315	14975	0	0
18434	08/04/2020	95:36:06	172427	37675703	6085275	0	2110389	1769923	363464	0
18433	08/04/2020	02:31:44	6062	325805	52207	0	1552	18806	0	0

Data Processing/Build Audits



edlink
Usage and Data

Dashboard **Data Processing** Data Quality Data Validation

Build Audits File Errors File Record Rejection ETL Tasks by Build Number Assessments

< [Back to Data Processing / ETL](#) - Data Processing / Build Audits / Audit Overview

Filter Data

2020-08-04 (18437) BUILD DW_ETL 18437

Audit by Audit Source and Location

AUDIT SOURCE	AUDIT SOURCE LOCATION	AUDIT COUNT
AppEtColumnMapping	_executeColumnModule	675
AppEtLookup	getLkpObjectJson	5
dtbl_awards	AWARD_NAME	8
dtbl_course_offerings	COURSE_KEY	501
dtbl_course_offerings	STAFF_ANNUAL_ATTRIBS_KEY	501
dtbl_course_offerings	STAFF_ASSIGNMENT_KEY	501
dtbl_course_offerings	STAFF_KEY	501
dtbl_facilities	FACILITY_COUNTY	1
dtbl_positions	FACILITIES_KEY	501
dtbl_positions	SCHOOL_ANNUAL_ATTRIBS_KEY	501

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Data Processing/Build Audits

The screenshot displays the 'edlink' application interface, specifically the 'Data Processing' section under 'Build Audits'. The breadcrumb trail indicates the path: < Back to Data Processing / ETL - Data Processing / Build Audits / Audit Overview - Data Processing / Build Audits / Audit Details. A 'Filter Data' button is visible. The audit details are for the build '2020-09-04 (18437)' with filters 'BUILD DW_ETL', '18437', 'dtbl_course_offerings', and 'COURSE_KEY'. The 'Audit Details' table shows two entries: '10677 audits surpasses the maximum number of audits for dtbl_course_offerings.COURSE_KEY have been met, so all remaining audits associated with this audit type will be ignored.' with an audit count of 1, and 'Column Warning' with an audit count of 500.

edlink
Usage and Data

Dashboard **Data Processing** Data Quality Data Validation

Build Audits File Errors File Record Rejection ETL Tasks by Build Number Assessments

< Back to Data Processing / ETL - Data Processing / Build Audits / Audit Overview - Data Processing / Build Audits / Audit Details

Filter Data


2020-09-04 (18437) BUILD DW_ETL 18437 dtbl_course_offerings COURSE_KEY

Audit Details

AUDIT MESSAGE	AUDIT COUNT
10677 audits surpasses the maximum number of audits for dtbl_course_offerings.COURSE_KEY have been met, so all remaining audits associated with this audit type will be ignored.	1
Column Warning	500

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Data Processing/Build Audits

 **edlink**
Usage and Data

Dashboard **Data Processing** Data Quality Data Validation

Build Audits **File Errors** File Record Rejection ETL Tasks by Build Number Assessments

[Back to Data Processing / ETL](#) - [Data Processing / Build Audits / Audit Overview](#) - [Data Processing / Build Audits / Audit Details](#) - [Data Processing / Build Audits / Audit Production Keys](#)

Filter Data

2020-08-04 (18437) BUILD DW_ETL 18437 dtbl_course_offerings COURSE_KEY Column Warning

Audit Details

PRODUCTION KEYS	AUDIT TECHNICAL MESSAGE
["LOCAL_COURSE_OFFERINGS_KEY": "2019:008:001:264103-4060", "SCHOOL_YEAR": "2019-2020", "SYS_PARTITION_VALUE": "008"]	Warning: dtbl_course_offerings.COURSE_KEY - No Data Found for local_course_key(school_year = 2019-2020:4060)[2]
["LOCAL_COURSE_OFFERINGS_KEY": "2019:008:001:264104-4511", "SCHOOL_YEAR": "2019-2020", "SYS_PARTITION_VALUE": "008"]	Warning: dtbl_course_offerings.COURSE_KEY - No Data Found for local_course_key(school_year = 2019-2020:4511)[2]
["LOCAL_COURSE_OFFERINGS_KEY": "2019:008:001:264106-9210", "SCHOOL_YEAR": "2019-2020", "SYS_PARTITION_VALUE": "008"]	Warning: dtbl_course_offerings.COURSE_KEY - No Data Found for local_course_key(school_year = 2019-2020:9210)[2]
["LOCAL_COURSE_OFFERINGS_KEY": "2019:008:001:264107-4860", "SCHOOL_YEAR": "2019-2020", "SYS_PARTITION_VALUE": "008"]	Warning: dtbl_course_offerings.COURSE_KEY - No Data Found for local_course_key(school_year = 2019-2020:4860)[2]
["LOCAL_COURSE_OFFERINGS_KEY": "2019:008:001:264108-9230", "SCHOOL_YEAR": "2019-2020", "SYS_PARTITION_VALUE": "008"]	Warning: dtbl_course_offerings.COURSE_KEY - No Data Found for local_course_key(school_year = 2019-2020:9230)[2]
["LOCAL_COURSE_OFFERINGS_KEY": "2019:008:001:264109-4860", "SCHOOL_YEAR": "2019-2020", "SYS_PARTITION_VALUE": "008"]	Warning: dtbl_course_offerings.COURSE_KEY - No Data Found for local_course_key(school_year = 2019-2020:4860)[2]
["LOCAL_COURSE_OFFERINGS_KEY": "2019:008:001:264110-9240", "SCHOOL_YEAR": "2019-2020", "SYS_PARTITION_VALUE": "008"]	Warning: dtbl_course_offerings.COURSE_KEY - No Data Found for local_course_key(school_year = 2019-2020:9240)[2]
["LOCAL_COURSE_OFFERINGS_KEY": "2019:008:001:264111-4532", "SCHOOL_YEAR": "2019-2020", "SYS_PARTITION_VALUE": "008"]	Warning: dtbl_course_offerings.COURSE_KEY - No Data Found for local_course_key(school_year = 2019-2020:4532)[2]
["LOCAL_COURSE_OFFERINGS_KEY": "2019:008:001:264112-4630", "SCHOOL_YEAR": "2019-2020", "SYS_PARTITION_VALUE": "008"]	Warning: dtbl_course_offerings.COURSE_KEY - No Data Found for local_course_key(school_year = 2019-2020:4630)[2]
["LOCAL_COURSE_OFFERINGS_KEY": "2019:008:001:264113-2425", "SCHOOL_YEAR": "2019-2020", "SYS_PARTITION_VALUE": "008"]	Warning: dtbl_course_offerings.COURSE_KEY - No Data Found for local_course_key(school_year = 2019-2020:2425)[2]

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Data Quality/Data Quality (ADQ)

- The errors displayed here are mostly LDOE specific. Many of the checks are based on the rules that were already in place from the current system.
- These checks are run **After** the data is loaded to the DW as they often involve comparing different data points
- Some examples of **ADQ** errors:
 - US Entry Date checks
 - Invalid ethnicity/race flag
 - School with no enrollments
 - LASID does not exist

Data Quality/Data Quality (ADQ)

The screenshot shows a web browser window with the URL `dev.reports.edlink.la.gov/DashboardDev/dashboard/1664`. The page is titled "EdLink 360 (DEV) Hoonuit Dashboard" and features a navigation bar with tabs for "Dashboard", "Data Processing", "Data Quality" (selected), and "Data Validation". Below the navigation bar, there are sub-tabs for "Data Quality", "Data Quality Trend", and "Assessment Processes".

The main content area is divided into two sections: "Enrollments Data Quality Measures" and "Special Education Data Quality Measures". Each section includes a table of data quality items.

Enrollments Data Quality Measures

Click on a row of the scorecard to display data and description of the specific Data Quality item.

MEASURE NAME	ERRORS	% ERROR	DAYS TO RESOLUTION
ADMISSION_REASON_CODE E1 used on student not a Rollover	9,106	28456.25%	0
Grade Disagrees with Option Code	1	0.13%	0
LASID does not exist	3,910	33.65%	0
No matching Enrollment with Grade Reassignment	10	250.00%	2.4
Overlapping Enrollments	432	1440.00%	0

Special Education Data Quality Measures

Click on a row of the scorecard to display data and description of the specific Data Quality item.

MEASURE NAME	ERRORS	% ERROR	DAYS TO RESOLUTION
Invalid IAP Review Date	190	791.67%	0

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